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**United States Patent** [19][11] **Patent Number:** **5,850,432****Desai et al.**[45] **Date of Patent:** **Dec. 15, 1998****[54] METHOD AND SYSTEM FOR CAPTURING AND RECORDING INFORMATION ASSOCIATED WITH A DIAL-AROUND CALL****[75] Inventors:** Nallesh B. Desai, Norcross; Richard C. Schmidt, Alpharetta, both of Ga.**[73] Assignee:** BellSouth Corporation, Atlanta, Ga.**[21] Appl. No.:** 748,289**[22] Filed:** Nov. 13, 1996**[51] Int. Cl.<sup>6</sup>** ..... H04M 15/00**[52] U.S. Cl.** ..... 379/115; 379/114; 379/207; 379/230**[58] Field of Search** ..... 379/111, 112, 379/114, 115, 119, 121, 219, 220, 229, 230, 207, 201**[56] References Cited****U.S. PATENT DOCUMENTS**

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**[57] ABSTRACT**

A method and system of utilizing advanced intelligent network services for capturing and recording dial-around call information is provided. Dial-around calls are calls directed to a telecommunication services provider other than the services provider designated by the owner or operator of the originating telecommunications device, such as a pay telephone. When a public switched telephone network effects a "dial-around" of a pre-subscribed telecommunication services provider at a pay telephone, accounting records generated by the local telecommunication services provider do not identify that the call originated at a pay telephone. Thus, important billing and asset management data are lost to the pay telephone operator. The method and system of the present invention utilize advanced intelligent network services to recognize dial-around calls and to produce a record for the pay telephone operator which will identify and record billing and utilization information for dial-around calls. The method and system may be used without the need for expensive and time consuming hardware and software retrofit of each local switch through which each pay telephone operator operates.

**16 Claims, 3 Drawing Sheets**